

REMARKS

Claims 1-8, 10-18, and 21 remain in this application. Claims 14, 15, 18 and 21 stand withdrawn from prosecution. Applicant respectfully requests continued examination.

Claim 24 was objected to on the grounds that it was grammatically incomprehensible. Furthermore, claim 24 was rejected under 35 U.S.C. §112 for failing to comply with the written description requirement. The Examiner's basis for that conclusion was specifically outlined in the Office Action.

Claim 24 has been amended to overcome both the grammatically incomprehensible portion and the rejection under 35 U.S.C. §112.

Applicant respectfully requests that this objection and rejection be withdrawn.

Claims 1-6, 8, 16-17, 19-20 and 22-24 were rejected under 35 U.S.C. §103(a) as unpatentable over *Mitchell* (6,741,841). Applicant respectfully traverses.

Mitchell is directed to a communication system for a mobile platform such as an aircraft having a passenger entertainment system which provides passengers with audio entertainment, movies, interactive services such as games, shopping and telecommunications, as well as Internet services. *Mitchell's* mobile platform 35 includes a receiver 50 that receives signals from a data relay 38 which includes audio data, Internet services, informational video messages, movies, electronic mail, voicemail, live and recorded television programs, commercials, telephone conversations and other entertainment-based or business-based material.

Data relay 38 is, according to *Mitchell*, a UHF or VHF broad spectrum antenna, a direct broadcast antenna or a satellite transponder.

Data relay 38 captures data information from external sources such as the Internet 40 or video source 42 which can be a broadcast station or an antenna, satellite or tape player, a disc

player or other device which can provide video data to relay 38. All information provided to receiver 50 is by way of data relay 38 (column 7, lines 1-8).

Receiver 50 is any type of wireless communication receiver capable of receiving data from relay 38. All the data received by receiver 50 is stored in a storage unit 52 or is provided directly to a network 54 which distributes the data for display on display unit 56, which can be a central display for viewing by all occupants of the aircraft or a plurality of in-seat displays (column 7, lines 11-20).

The network 54 which is a local area network (LAN) works together with the storage unit 52 to distribute the video data received by receiver 50 to the display 56 (column 7, lines 24-26). Network 54 also works in conjunction with storage unit 52 to provide digital or analog video data to display 56 when receiver 50 is not receiving data (column 7, lines 26-31).

Storage unit 52 may also have an onboard video source such as video discs or tapes which can be utilized when receiver 50 is not receiving data from the external source, data relay 38.

In summary, *Mitchell's* system 30 provides a wireless airport gateway communication link for transmitting large amounts of data to an aircraft while parked at an airport gate, or can be used to remove data from the aircraft. The data being transferred can be movies, Internet services, satellite television programming, etc. (column 11, lines 21-30).

Benaloh (6,886,098) is directed to a system for providing a user an efficient way to derive a single key from which any number of data encryption keys can be extracted. *Benaloh* discloses the use of a tree structure which, according to *Benaloh*, significantly reduces the number of modular exponentiations that must be calculated when extracting the encryption keys.

The present invention is concerned with a terminal data loading device that is semi-permanently installed on an aircraft. The loading device has a media unit for reading media data from a media element which has a predetermined portion of the media data encrypted. A security processor unit receives the encrypted media data and outputs unencrypted media data based on one or more predetermined cryptographic keys generated by a physical key unit that receives a physical key. This feature allows for quick swap-out of the terminal data loading device in case of failure of the unit.

A control processor unit receives the media signal from a security processor and parses the media signal into blocks of information of a predetermined size, which are provided to a wire line communication unit for generating a wire line signal that is then distributed to the communication network on the aircraft.

Mitchell does not describe or contemplate a media unit operatively connected to a transportable media element containing media data that has a portion of the media data encrypted. *Mitchell* does not disclose or contemplate a security processor unit that receives an encrypted media signal and outputs an unencrypted media signal based on one or more predetermined cryptographic keys, the cryptographic keys being generated by a physical key unit.

Mitchell does not disclose or contemplate a control processor unit for receiving the unencrypted media signal from the security processor and parsing the media signal into blocks of information of a predetermined size for distribution over a network on the mobile platform.

Although *Benaloh* discloses a method of generating an encryption key for customers in a cable television system, *Benaloh* does not show or contemplate the use of a security processor

unit, decrypting encrypted data according to predetermined cryptographic keys that are generated by a physical key unit connected to the security processor unit.

Applicant respectfully requests that this rejection be withdrawn.

Claim 7 was rejected under 35 U.S.C. §103 as unpatentable over *Mitchell* in view of *Chan* (6,775,087). Applicant respectfully traverses.

Applicant submits here the arguments set forth above for the patentability of claim 1 over *Mitchell* and *Benaloh*. *Chan* does not provide the teaching missing from both *Mitchell* and *Benaloh*.

Applicant respectfully requests that this rejection be withdrawn.

Claims 9-10 were rejected under 35 U.S.C. §103(a) as unpatentable over *Mitchell* in view of *Benaloh*. Applicant respectfully traverses.

Applicant asserts here the arguments set forth above for the patentability of claim 1 over *Mitchell* and *Benaloh*.

Applicant respectfully requests that this rejection be withdrawn.

Claims 11-13 were rejected under 35 U.S.C. §103(a) as unpatentable over *Mitchell* and *Benaloh* in view of *Schneier* (Pub. 1996). Applicant respectfully traverses. These claims depend from claim 1.

Applicant submits here the arguments set forth above for the patentability of claim 1 over *Mitchell* and *Benaloh*.

Applicant respectfully requests that this rejection be withdrawn.

In light of the above amendment and remarks, applicant respectfully submits that all the claims remaining in the application are in condition for allowance, and respectfully requests that the claims be allowed and the application passed to issue.

Sincerely,

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